## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

n re Divisional Application of:	)	Group Art Unit: 2819
Jun KOYAMA et al.	)	Examiner: P. Wamsley
Based on Serial No. 10/053,656	)	
Filed: January 24, 2002	)	
For: D/A CONVERSION CIRCUIT AND	)	
SEMICONDUCTOR DEVICE	)	

## INFORMATION DISCLOSURE STATEMENT

Honorable Commissioner of Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with the provisions of 37 C.F.R. 1.56 and 37 C.F.R. 1.97-1.99, Applicant submits herewith a Form PTO-1449 listing references known to Applicant and requests that these references be made of record in the above identified application.

Copies of U.S. patents and U.S. publications are not enclosed in accordance with the Notice published in the Official Gazette on August 5, 2003 entitled *Information Disclosure Statements May Be Filed Without Copies of U.S. Patents and Published Applications in Patent Applications filed after June 30, 2003*, which waives the requirement under 37 CFR 1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. publication.

The references listed on the attached PTO 1449 Form were cited in patent application Serial No. 10/053,656 and predecessor application Serial No. 09/197,766 and copies of the references can be found in those applications (37 CFR 1.98(d)(1)-(2)).

Respectfully submitted,

Eric J. Robinson

Reg. No. 38,285

Robinson Intellectual Property Law Office, P.C.

PMB 955

21010 Southbank Street

Potomac Falls, Virginia 20165

(571) 434-6789

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute	for form 1449A/PTO			Complete if Known		
INFO	DMATION I	)ISC	OSLIDE	Application Number	Based on 10/053,656	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Filing Date	January 24, 2002	
SIAI				First Named Inventor	Jun KOYAMA et al.	
	(use as many sheets o	as necesso	(ציוו)	Group Art Unit	2819	
				Examiner Name	Patrick G. Wamsley	
Sheet	1	of	2	Attorney Docket Number	0756-7281	

				U.S. PATENT DOCUMEN	rs	
Examiner Initials*	Cite No.1	U.S. Patent D	Document	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
		5,570,105		Koyama	10/29/96	
		6,111,557		Koyama et al.	08/29/00	
		4,398,207		Hoff, Jr. et al.	08/09/83	
		4,801,819		Theus et al.	01/31/89	
		5,572,211		Erhart et al.	11/05/96	

Examiner	Cite		Foreign Patent Document		Date of Publication of Cited	Pages, Columns, Lines, Where					
Initials*	No.1	Office <sup>3</sup>	Kind Code Number <sup>4</sup> (if known		Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear	T⁵				
		JP	08-237097		09/13/96		Abst.				
-	_l <sub>-</sub>		OTHER PR	IOR ART – NON PATENT LIT	ERATURE DOCUMENTS						
Examiner Initials	Cite No. <sup>1</sup>		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.								
		Koyama et al., "Temperature Poly-Si TFT-LCD's with Digital Interface," Extended Abstracts of the 1997 International Conference on Solid State Devices and Materials, Hamamatsu, 1997, pp. 348-349.									
		Ohtani et al., "LP-B: Late-News Poster: A 60-in. HDTV Rear-Projector with Continuous-Grain-Silicon Technology," May 17-22, 1998, pp. 467-470, SID 98 Digest, International Symposium Digest of Technical Papers, Vol. XXIX.									
		Furuhashi et al., "23.4: A-64-Gray-Scale Digital Signal Driver for Color TFT-LCDs," June 14, 1994, pp. 359-362, SID 94 Digest.									
		Jun	Junichi OGUCHI, Patent Abstracts of Japan, Publication No. 58-030231, February 22, 1983, "Analog Switching Circuit with Selector."								
		Eur	opean Search Repo	ort, October 27, 2000, 3	pages.						
		Lewis et al., "Switched-Capacitor Circuit using Polysilicon on Quartz Thin Film Technology," IEEE International Solid-State Circuits Conference, 122-123, 1992.									

Examiner	Date
Signature	Considered

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.

<sup>&</sup>lt;sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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INFO	DMATION I	חופרי	OSLIDE	Application Number	Based on 10/053,656	
INFORMATION DISCLOSURE				Filing Date	January 24, 2002	
STATEMENT BY APPLICANT				First Named Inventor	Jun KOYAMA et al.	
	(use as many sheets	as necesso	ary)	Group Art Unit	2819	
				Examiner Name	Patrick G. Wamsley	
Sheet	2	of	2	Attorney Docket Number	0756-7281	

				U.S. PATENT DOCUMEN	rs	
Examiner Initials	Cite No.1	U.S. Patent Document		Name of Patentee or Applicant of Cited	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)	Document	MUVI-DD-1111	
		6,281,891		DaCosta et al.	08/28/01	
		6,091,390		Sim	07/18/00	
		5,793,348		Lee et al.	08/11/98	
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		6,614,376		Tanaka et al.	09/02/03	
		6,600,436		Tanaka	07/29/03	
		6,459,395		Kida et al.	10/01/02	
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imuais	1,10.		Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear	T <sup>6</sup>
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Approved for use through 10/31/2002. OMB 0651-0031

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		4,801,819		Theus et al.	01/31/89	
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		Kind Code <sup>3</sup> Office <sup>3</sup> Number <sup>4</sup> (if known)		MM-DD-YYYY							
	-	ЛР	08-23709	7		09/13/96		Abst.			
			01	THER PRIOR	ART – NON PATENT LITE	RATURE DOCUMENTS		·			
Examiner Initials*	Cite No.1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.)., date, page(s), volume-issue number(s), publisher, city and/or country where published.									
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		6,040,812		Lewis	03/21/00			
		6,441,758		Koyama et al.	08/27/02			
		6,614,376		Tanaka et al.	09/02/03			
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	Office <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>3</sup> (if known)	Applicant of Cited Document	MM-DD-YYYY	Figures Appear	T <sub>e</sub>			
				<u> </u>						
		No.1	No.1	No. <sup>1</sup> Kind Code <sup>3</sup>	No. No. Name of Patentee or  Kind Code Applicant of Cited Document	No.¹ Name of Patentee or Document  Kind Code³ Applicant of Cited Document MM-DD-YYYY	No. 1 Name of Patentee or Document Relevant Passages or Relevant Passage			

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